PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007, OMB 0651-0021 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

ATTORNEY'S DOCKET NUMBER TRANSMITTAL LETTER TO THE UNITED STATES PC3-317 DESIGNATED/ELECTED OFFICE (DO/EO/US) **CONCERNING A SUBMISSION UNDER 35 U.S.C. 371** INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE PRIORITY DATE CLAIMED 28 January 2005 PCT/US2005/003137 30 January 2004 TITLE OF INVENTION Production Process and Systems, Compositions, Surfactants, Monomer Units. Metal Complexes, Phosphate Esters Glycols, Aqueous Film Forming Foams, and APPLICANT(S) FOR DO/EO/US Janet Boggs, Stephan M. Brandstadter, John Chien, Vimal Sharma. See Appendix A Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. The US has been elected (Article 31). 5. X A copy of the International Application as filed (35 U.S.C. 371(c)(2)) is attached hereto (required only if not communicated by the International Bureau). b. X has been communicated by the International Bureau. c. is not required, as the application was filed in the United States Receiving Office (RO/US). 6. 🔯 An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). is attached hereto. b. As been previously submitted under 35 U.S.C. 154(d)(4). 7. X Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) are attached hereto (required only if not communicated by the International Bureau). have been communicated by the International Bureau. have not been made; however, the time limit for making such amendments has NOT expired. have not been made and will not be made. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). An English language translation of the annexes of the International Preliminary Examination Report under PCT 10. Article 36 (35 U.S.C. 371(c)(5)). Items 11 to 20 below concern document(s) or information included: An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. X A preliminary amendment. An Application Data Sheet under 37 CFR 1.76.

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.

A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).

A second copy of the published International Application under 35 U.S.C. 154(d)(4).

A substitute specification.

A power of attorney and/or change of address letter.

AP5 RECUPTO 2.6 JUL 2005

PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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U.S. APPLICA	0/587	7325.5)	INTERNATIONAL AF PCT/US2005/0		ATTORNEY'S DO PC3-317	OCKET NUMBER
20. Other items or information: See Attached Appendix B						826
The fol	lowing fees have t	been submitted	**************************************		CALCULATIONS	PTO USE ONLY
21. 🛭 Bas	ic national fee (37	CFR 1.492(a))		\$300	\$ 300.00	
22. 🔀 Exar	mination fee (37 C	FR 1.492(c))				
by IPEA	nion prepared by I /US indicates all c	\$ 200.00				
23. Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)\$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority					^{\$} 100.00	
	TOTAL OF 21, 2	2 and 23 =			\$600.00	
sequence electroni The fee i	electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of p otal Sheets Extra Sheets Number of each addit thereof (round up to				. 500.00	
165 ₋₁₀₀ = 65 / ₅₀ = 2				x \$250	\$500.00	
			h fee, examination fee, or the e (37 CFR 1.492(h)).	oath or declaration	\$	
CLAIMS	NUME	BER FILED	NUMBER EXTRA	RATE	\$	•
Total claims	41	- 20 =	24	x \$50	\$1200.00	
Independent clai	ms 3	3 =	-0-	x \$200	\$-0-	
MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$360					\$	
TOTAL OF ABOVE CALCULATIONS =					\$1200.00	
Applicant cla	aims small entity s	status. See 37 CFF	R 1.27. Fees above are reduc	· · · · · · · · · · · · · · · · · · ·		
					\$2300.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).					\$	
TOTAL NATIONAL FEE =					\$2300.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +					\$	
		\$2300.00				
					Amount to be refunded:	\$
					Amount to be charged	\$

10/587323

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U.S. Patent And Trademark Offic

a. X	A check in the amount of \$ 2300.00 to cover the above	fees is enclosed.						
ь. 🗀	Please charge my Deposit Account No in the amount of \$ _ A duplicate copy of this sheet is enclosed.	to cover the above fees.						
c. 🛚	The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 2300925. A duplicate copy of this sheet is enclosed.							
d. 🗌	Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.							
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.								
SEND AI We 60° Spo Pho	LI CORRESPONDENCE TO: Ils St. John, P.S. I W. First Ave., #1300 Dekane, WA 99201 Dece: 509-624-4276 K: 509-838-3424	SIGNATURE Robert C. Hyta NAME 46,791 REGISTRATION NUMBER						

EV8328056

APPENDIX IAPS Rec'd PCT/PTO 2 6 JUL 2005

Additional Applicants:

- 1. Bradley E. Edwards
- 2. Victoria Hendrick
- 3. Andrew Jackson
- 4. Gregory Leman
- 5. Bruno Ameduri
- 6. George K. Kostov

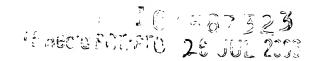
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APPENDIX B

Additional Enclosures:

- 1. PTO Return Receipt Postcard
- 2. Check for \$2300.00
- 3. Transmittal Letter to the U.S. Designated/Elected Office (DO/EO/US) Concerning a Submission under 35 U.S.C. 371 & duplicate copy of page 3 thereof
- 4. 4 pages of Formal Drawings (Figs. 1-8)
- 5. **Application as Re-Published**, including International Search Report (copy of the Published Application WO 2005/074593A2)
- 6. Request, as filed
- 7. International Search Report (PCT/ISA/210)
- 8. Written Opinion of the International Searching Authority (PCT/ISA/237)
- 9. Notification Concerning Submission/Transmittal of Priority Document (PCT/IB/304)
- 10. Letter Regarding Amended Request dated May 27, 2005, submitting replacement sheets 1, 2, 3, 5, 6, 7, 8, 8a, 8b, 8c, and 8d of original Request and replacement sheets 68-73, 91, and 106 of the originally filed Specification
- 11. Notification of the Recording of a Change (PCT/IB/306) dated June 27, 2005 (2 pages)
- 12. Letter Regarding Amended Request dated August 24, 2005, submitting replacement sheets 7a and 8e of the originally filed Request
- 13. Assignment (8 inventors)
- 14. Notice of Merger and Certificate of Ownership and Merger
- 15. Assignment (2 inventors)
- 16. Letter Regarding Amended Request dated February 10, 2006
- 17. Notification of the Recording of a Change (PCT/IB/306) dated April 6, 2006 (2 pages)
- 18. Form PTO/SB/08A

EV832835325



EV832835326

By Facsimile: 011 41 22 338 89 70

PATENT COOPERATION TREATY

INTERNATIONAL APPLICATION SERIAL NO	PCT/US05/03137
FILING DATE	28 January 2005 (28.01.2005)
APPLICANTS	PCBU Services, Inc.
AGENT'S FILE REFERENCE	
TITLE:Production Processes and Systems, Compositions,	
Metal Complexes, Phosphate Esters, Glycols, Aqueous Filr	m Forming Foams and Foam
Stabilizers	-

LETTER REGARDING AMENDED REQUEST

Leslie BARRIOS To:

> The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

From: HYTA, Robert C.

Wells, St. John, P.S.

601 W. First Ave., Suite 1300 Spokane, WA 99204-3828

(509) 624-4276; FAX: (509) 838-3424

REMARKS

Applicant submits herewith replacement sheets 1, 2, 3, 5, 6, 7 and 8 of the originally filed Request. Sheet 1 has been amended to correct Inventor Boggs' address, to correct Applicant designations, and to amend Agent's fax number. Sheet 2 has been amended to correct Applicant designations. Sheet 3 has been amended to correct Applicant designations and to correct Inventor Jackson's address. Sheet 5 has been amended to include date of assignments, correct Inventor Jackson's address and to amend wording to meet the prescribed wording. Sheet 6 has been amended to incorporate date of assignments and to amend wording to the prescribed wording. Sheet 7 has been amended to include Inventor Boggs' signature and date. Sheet 8 has been amended as sheets 8a-d to include inventors' signatures and dates.

Please replace sheets 1, 2, 3, 5, 6, 7 and 8 of the original Request with the enclosed replacement sheets.

Applicant further submits replacement sheets 68-73, 91 and 106 of the originally filed specification. Sheets 68-73 and 106 have been amended for clerical purposes. Sheet 91 has been amended to correct an error in a depicted compound.

Please replace sheets 68-73, 91 and 106 of the originally filed specification with the enclosed replacement sheets.

Respectfully Submitted,

e: 5/27/05

By: HYTA, Robert C.

Reg. No.: 46,791

PATENT COOPERATION TREATY

LETTER REGARDING AMENDED REQUEST

EV-832855

Via Facsimile: 011 41 22 740 14 35

To: Carlos Roy – Gijsbertus Beijer

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

From: Robert C. Hyta

Wells, St. John, P.S.

601 W. First Ave., Suite 1300 Spokane, WA 99204-3828 U.S.A. (509) 624-4276; FAX: (509) 838-3424

REMARKS

Applicant submits herewith replacement sheets 1, 3, 5, 6, 8e and a General Power of Attorney for Great Lakes Chemical Corporation to the originally filed Request. Sheet 1, Box No. II has been amended to reflect a new applicant by virtue of a merger between the original applicant, PCBU Services, Inc., and the new applicant, Great Lakes Chemical Corporation, dated November 15, 2005. Sheets 3 and 83 have been amended to correct the address of Inventor Ameduri. Sheet 5, Box No. VIII(ii) has been amended to reflect the new applicant's entitlement to apply for and be granted a patent and to add two additional assignors. Sheet 6, Box No. VIII(iii) has been amended to reflect the new applicant's entitlement to claim priority to earlier application, Serial No. 60/540,612, and to add two additional assignors.

Please replace sheets 1, 3, 5, 6 and 8e, of the original Request with the enclosed replacement sheets.

Date: 2/10/06

HYTA, Rőbert C. Reg. No.: 46,791

Respectfully Submitted.

By:

EVF 33198510

EV832835325

IAP18 Rec'd PCT/PTO 26 JUL 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INTERNATIONAL APPLICATION SERIAL NO. PCT/US05/03137
INTERNATIONAL FILING DATE. January 28, 2005
FIRST NAMED INVENTOR. Janet Boggs, et al.
APPLICANT Great Lakes Chemical Corporation
ATTORNEY DOCKET NO. PC3-159
TITLE:Production Processes and Systems, Compositions, Surfactants, Monomer Units,
Metal Complexes, Phosphate Esters, Glycols, Aqueous Film Forming Foams, and Foam
Stabilizers

NOTICE OF MERGER

To:

Assignment Recordation Services

Director of the USPTO

P.O. Box 1450

Alexandria, VA 22313-1450

From:

Robert C. Hyta Wells St. John P.S.

601 W. First Avenue, Suite 1300

Spokane, WA 99201-3828

Tel. (509) 624-4276; Fax (509) 838-3424

HEREBY TAKE NOTICE that the above-captioned application, and any patents issued thereon, has been transferred to Great Lakes Chemical Corporation, a Delaware corporation, by reason of a merger of PCBU Services, Inc., effective as of November 15, 2005, all as set forth in a Certificate of Ownership and Merger on file with the Secretary of State of Delaware, and as certified by the Secretary of State of Delaware.

Respectfully submitted.

Dated: 1/25/070

By:

Robert O. Hyta Reg. No. 46,791

Enc.: Copy of Certified Certificate of Ownership and Merger, dated November 15, 2005

40/587323 IAP18 Rec'd PCT/PTO 26 JUL 2006

PATENT COOPERATION TREATY

INTERNATIONAL APPLICATION SERIAL NO. INTERNATIONAL FILING DATE	8 January 2005 (28.01.2005) 0 January 2004 (30.01.2004)
Stabilizers	

LETTER REGARDING AMENDED REQUEST

Via Facsimile 011 41 22 338 89 70

To:

Leslie Barrios

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

From:

Robert C. Hyta

Wells, St. John, P.S. 601 W. First Ave., Suite 1300

Spokane, WA 99204-3828

(509) 624-4276; FAX: (509) 838-3424

EN832835326

REMARKS

Applicant submits herewith additional sheets 7a and 8e to the originally filed Request. Sheet 7a has been added to include inventor Brandstadter's signature and date. Sheet 8e has been added to include inventor Ameduri's signature and date.

Please add sheets 7a and 8e to the original Request with the enclosed additional sheets.

Respectfully Submitted,

e: <u>0124105</u>

Robert C. Hyta

By:

Reg. No.: 46,791